	December 7, 1964
	LINEAR PHASCLVER MEASURING ENGINE
	he principle road block to completion of the linear phasolver
p:	rogram was the preparation by of a satisfactory aster driver pattern has been making trial masters and have been rejecting them since last spring. he one promising aspect of the situation is the possibility of sing the most recent driver master as is. The defects
	ppear to be of two kinds:) Blemishes and scratches which can probably be repaired;) A systematic double frequipment error which can probably be compensated electrically.
W	is proceeding with one driver from which he has sent o which he has sent e went thru the exercise of estimating at this stage of the
p T	rogram what the eventual accuracy might be. According to tests to date the electronic noise and stability will robably produce +k micron random error which is the lower limit. he upper limit is estimated to be about + 1k micron systematic rror. How much of the + 1k micron systematic error can be ompensated and how close they can get to the +k micron inimum random error cannot be determined yet.
	is considering the problem and will try to determine hether it can be done within the scope of the present program.
	is now preparing working reproductions of driver aster pattern and also is preparing a full length coupler
b t	ar pattern to work with the driver. expected to have hem done by Nov. 27 but ran into some machine trouble. He
I	ow expects to complete them by the end of this week, Dec. 11. f delivers as expected, still hopes to complete he assembly and be ready to demonstrate feasibility by Jan. 18, 965.